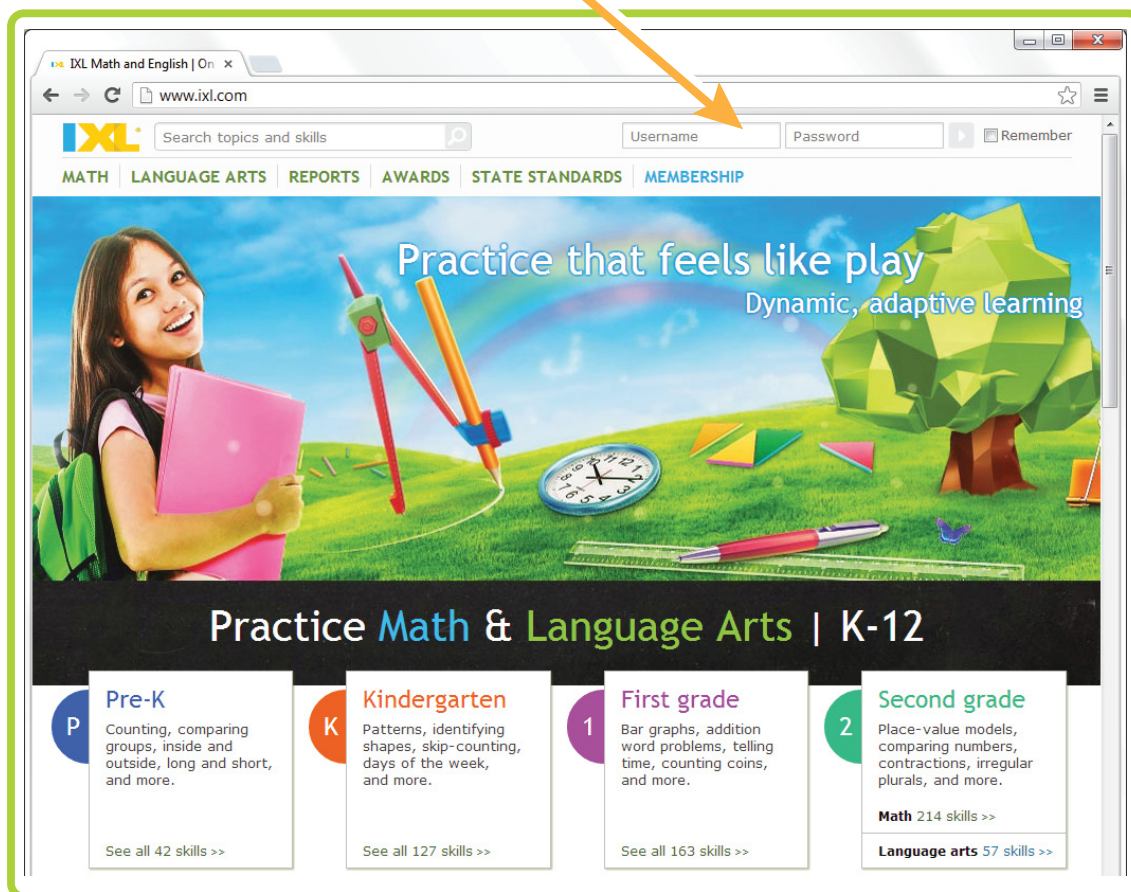


Get your class started

- Engaging problems, detailed explanations, and unlimited practice help students master thousands of math and language arts skills.
- With cool virtual prizes for meeting math challenges, your students will be begging to spend time on IXL.
- Walk through these steps with your class once, and they'll be ready and excited to practice on their own!

1 Sign in to IXL by entering your student username and password at www.ixl.com.



? Teachers: Retrieve student usernames and passwords by signing in to your teacher account and clicking the **Roster** tab. If you haven't set up your roster yet, you'll need to do that first—it's easy, and the *Set up your roster* quick-start guide can help!

Get your class started



- 2 Locate the appropriate grade level and click the button to view relevant practice skills.

Math

Pre-K skills

- Count dots (up to 3)
- Count shapes (up to 5)

Kindergarten skills

- Count groups of ten
- Similar patterns

First-grade skills

- Counting - up to 100
- Hundred chart
- Subtraction facts - numbers up to 10
- Simple fractions: what fraction does the shape show?
- Read a thermometer

See all 163 first-grade skills >>

Second-grade skills

- Put numbers up to 1,000 in order
- Ordinal numbers up to 100th
- Customary units of length: word problems
- Flip, turn, and slide
- Fraction word problems

See all 214 second-grade skills >>

Third-grade skills

- Estimate sums
- Which metric unit is appropriate?
- Compare and convert metric units of length
- Equivalent fractions: type the missing numerator or denominator
- Mean, median, mode, and range

See all 230 third-grade skills >>

Fourth-grade skills

- Rounding
- Create bar graphs
- Open and closed shapes and qualities of polygons
- Patterns of equivalent fractions
- Put fractions in order

See all 214 fourth-grade skills >>

Fifth-grade skills

- Area and perimeter of irregular figures
- Divide by powers of ten
- Greatest common factor
- Least common multiple
- Sale prices

See all 268 fifth-grade skills >>

Sixth-grade skills

- GCF and LCM: word problems
- Add and subtract like terms
- Create double bar graphs
- Circle graphs with fractions
- Convert between customary systems

See all 284 sixth-grade skills >>

Seventh-grade skills

Eighth-grade skills

- Multiplication and division with exponents
- Write an equation for a proportional relationship
- Distance between two points
- Volume and surface area of similar solids
- Multiply and divide monomials

See all 271 eighth-grade skills >>

Algebra 1 skills

- Solve compound inequalities
- Standard form: graph an equation
- Factor by grouping
- Simplify radical expressions
- Simplify rational expressions

See all 270 Algebra 1 skills >>

Geometry skills

- Triangle Angle-Sum Theorem
- Properties of trapezoids
- Similarity rules for triangles
- Triangle Proportionality Theorem
- Tangent lines

See all 180 Geometry skills >>

Algebra 2 skills

- Solve a non-linear system of equations
- Complex conjugates
- Product property of logarithms
- Graph circles
- Law of Sines

See all 219 Algebra 2 skills >>

Don't see your level?

More advanced topics are on their way. [Sign up](#) to be notified when new courses are available.

- 3 To switch subjects, click the **Math** or **Language Arts** tab at the top of the screen.

3

Choose a skill. If you're unsure, hold your mouse over any skill name to view a sample problem. Click a skill name to start practicing it!

First grade

Here is a list of all of the skills students learn in first grade! These skills are organized into categories, and you can move your mouse over any skill name to view a sample question. To start practicing, just click on any link. IXL will track your score, and the questions automatically increase in difficulty as you improve!

Counting and number patterns

- A.1 Counting review - 0 to 10
- A.2 Counting review - up to 20
- A.3 Counting tens and ones - up to 20
- A.4 Counting - up to 30
- A.5 Counting - up to 100
- A.6 Counting by tens - up to 100
- A.7 Counting tens and ones - up to 99
- A.8 Skip-counting - with pictures
- A.9 Counting by twos, fives, and tens - up to 100
- A.10 Counting forward and backward
- A.11 Number lines
- A.12 Hundred chart
- A.13 Identifying even and odd numbers
- A.14 Which even or odd number comes before or after?
- A.15 Skip-counting tables
- A.16 Sequences - by 1, 2, 3, 4
- A.17 Ordinal numbers
- A.18 Writing numbers
- A.19 Roman numerals

Subtraction - skill builders

- E.1 Subtracting 0
- E.2 Subtracting 1
- E.3 Subtracting 2
- E.4 Subtracting 3
- E.5 Subtracting 4
- E.6 Subtracting 5
- E.7 Subtracting 6
- E.8 Subtracting 7
- E.9 Subtracting 8
- E.10 Subtracting 9

Spatial sense

- L.1 Left, middle, and right
- L.2 Above, below, top, middle, and bottom
- L.3 Location in a three-by-three grid

Data and graphs

- M.1 Record data with tally charts, picture graphs, tables
- M.2 Interpret data in tally charts, picture graphs, tables
- M.3 Interpret bar graphs
- M.4 Which bar graph is correct?

Measurement

- N.1 Read a thermometer
- N.2 Compare objects: length and height
- N.3 Which customary unit of length is appropriate?
- N.4 Customary units of length: word problems
- N.5 Which customary unit of weight is appropriate?
- N.6 Compare and convert cups, pints, and quarts
- N.7 Which metric unit of length is appropriate?
- N.8 Metric units of length: word problems
- N.9 Which metric unit of mass is appropriate?

Mixed operations

- F.1 Addition and subtraction - ways to make a number
- F.2 Which sign makes the number sentence true?
- F.3 Fact families

Sample problem

Add:

$$\begin{array}{c} \text{5 soccer balls} + \text{3 soccer balls} = \end{array}$$

Addition

- B.1 Addition with pictures - sums to 10
- B.2 Addition sentences - sums to 10
- B.3 Addition word problems - sums to 10
- B.4 Word problems - write the addition sentence
- B.5 Ways to make a number using addition
- B.6 Ways to make a number - addition sentences
- B.7 Adding zero
- B.8 Adding doubles
- B.9 Addition facts - sums to 10
- B.10 Addition facts - sums to 18
- B.11 Addition word problems - sums to 18
- B.12 Complete the addition sentence
- B.13 Adding three numbers
- B.14 Word problems - adding three

Comparing

- G.1 Comparing - review
- G.2 Comparing numbers up to 10
- G.3 Comparing numbers up to 100
- G.4 Comparison word problems

Estimation

- H.1 Estimate to the nearest ten

Place values

- I.1 Place value models up to 20
- I.2 Write numbers as tens and ones up to 20
- I.3 Place value models up to 100
- I.4 Convert between tens and ones
- I.5 Write numbers as tens and ones

Money

- O.1 Names and values of common coins
- O.2 Names and values of all coins
- O.3 Count pennies, nickels, and dimes
- O.4 Count pennies, nickels, dimes, and quarters
- O.5 Equivalent coins I
- O.6 Equivalent coins II
- O.7 Money - word problems
- O.8 Compare money amounts
- O.9 Least number of coins
- O.10 Purchases: do you have enough money?

Patterns

Skills are grouped into categories by topic.

The B.1 skill offers practice problems like this one.

Get your class started



4 Read the problem, and indicate your answer.

IXL Search topics and skills Welcome, Laura Barker!

MATH LANGUAGE ARTS REPORTS AWARDS STATE STANDARDS MEMBERSHIP

First grade > B.1 Addition with pictures - sums to 10

Add: Type your answer here.

3 + 1 = 4

Submit

After answering, click **Submit**.

Problems attempted: 0

Time elapsed: 00:00:06

SmartScore out of 100: 0

- ? Students who are not yet independent readers can click the green speaker icon or the text to hear it read aloud. This feature is available for pre-K, kindergarten, and first-grade skills.

You'll get immediate feedback for each problem:

- Correct! You'll see a green message, then the next problem. Continue practicing.

IXL Search topics and skills Welcome, Laura Barker!

MATH LANGUAGE ARTS REPORTS AWARDS STATE STANDARDS MEMBERSHIP

First grade > B.1 Addition with pictures - sums to 10

Correct!

Problems attempted: 1

Time elapsed: 00:00:57

SmartScore out of 100: 10

Submitting a correct answer increases the SmartScore for this skill.

- ? Watch for the ribbons that appear here to reward high scores!

Get your class started



- *Sorry, incorrect...* The correct answer is shown, along with a complete explanation.

IXL

Search topics and skills

Welcome, Laura Barker!

MATH | LANGUAGE ARTS | REPORTS | AWARDS | STATE STANDARDS | MEMBERSHIP

First grade > B.1 Addition with pictures - sums to 10

Sorry, incorrect...

The correct answer is:
4

Got it

Problems attempted

1

Time elapsed

00 00 57
HR MIN SEC

SmartScore 100

Explanation

Add:

3 + 1 =

You answered:
5

Count the first group of umbrellas. The first group has 3 umbrellas.
Count the second group of umbrellas. The second group has 1 umbrella.
To find the sum of 3 and 1, count all the umbrellas together, like this:

1 2 3 4
3 + 1 = 4

There are 4 umbrellas, so $3 + 1 = 4$.

Got it

Review the problem.

Review your answer.

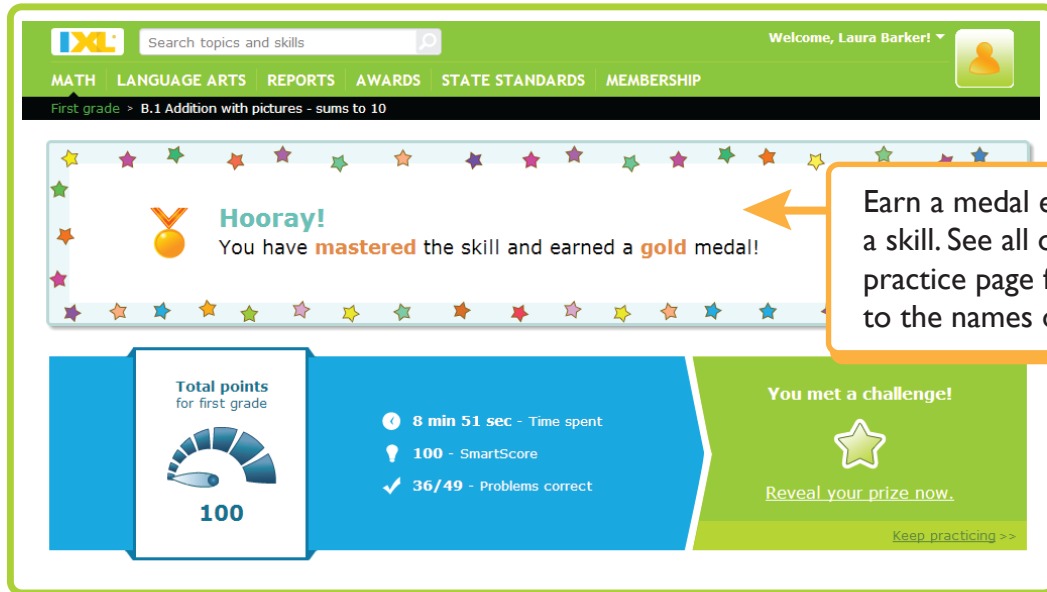
Review the step-by-step explanation of the problem to see what you did wrong and better learn the skill.

Click **Got it** to continue practicing.

Get your class started



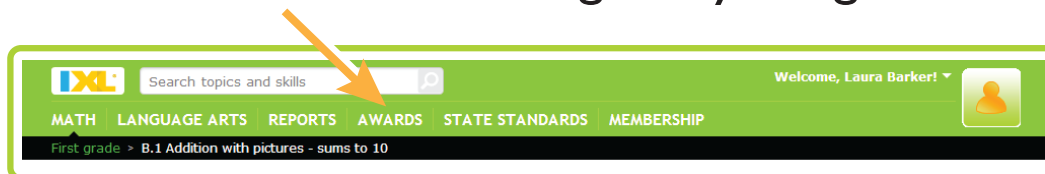
- 5 Continue practicing until you *master* the skill by reaching a SmartScore of 100.



Congratulations!

Mastering a skill meets the first challenge on your IXL game board.
Follow the steps below to reveal your prize and learn more about the game board.

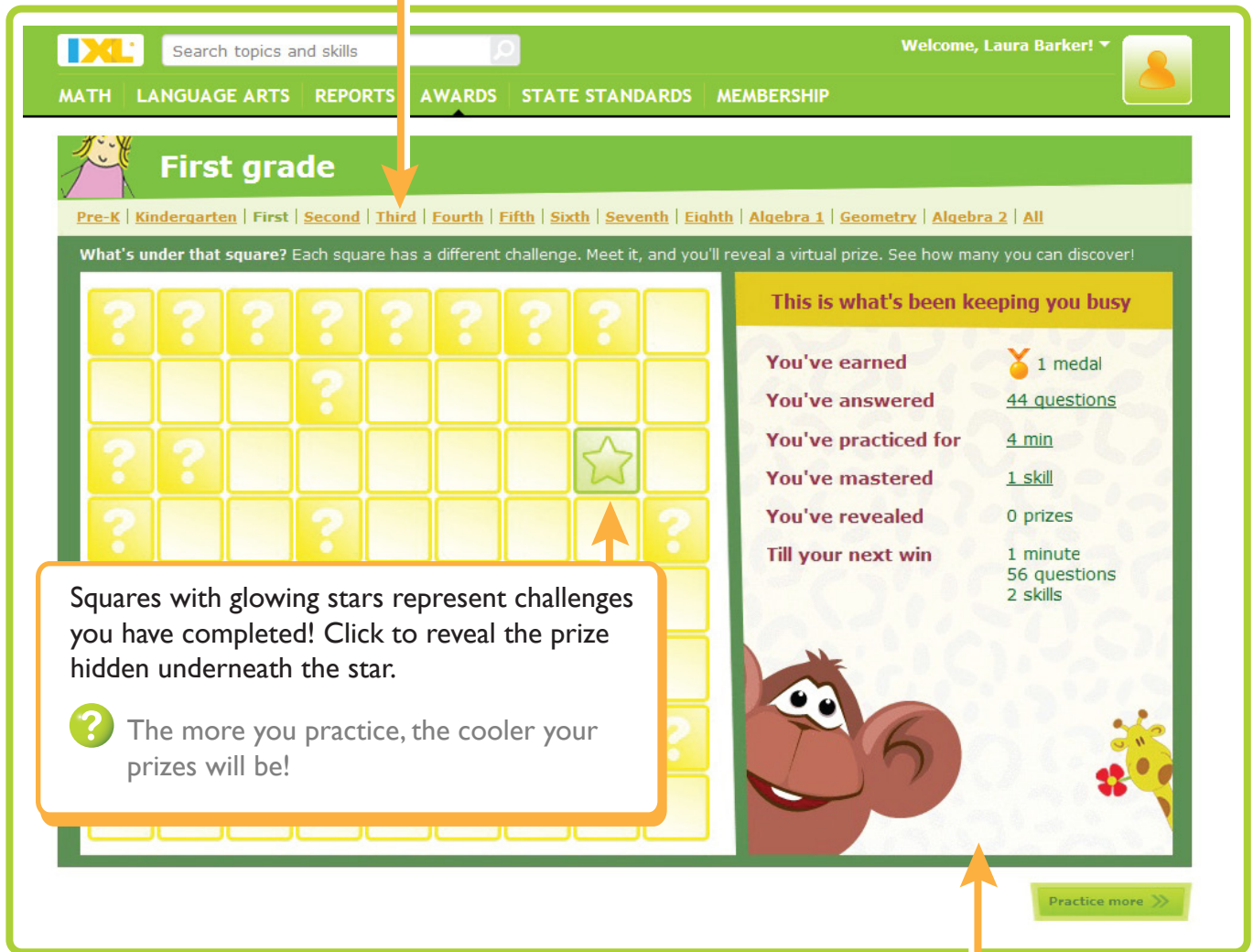
- 6 Click the **Awards** tab to go to your game board.



- ? As you practice, you'll know you've earned prizes when you see this message on your screen: "You have prizes to reveal! [Go to the game board.](#)"

7 Reveal your prize by clicking on the glowing star.

Each grade in IXL has its own math game board, with a unique theme. Make sure you are viewing the game board for the grade you just practiced. Can you guess the theme?



First grade

Pre-K | Kindergarten | First | Second | Third | Fourth | Fifth | Sixth | Seventh | Eighth | Algebra 1 | Geometry | Algebra 2 | All

What's under that square? Each square has a different challenge. Meet it, and you'll reveal a virtual prize. See how many you can discover!

This is what's been keeping you busy

You've earned	1 medal
You've answered	44 questions
You've practiced for	4 min
You've mastered	1 skill
You've revealed	0 prizes
Till your next win	1 minute 56 questions 2 skills

Practice more >>

Squares with glowing stars represent challenges you have completed! Click to reveal the prize hidden underneath the star.

? The more you practice, the cooler your prizes will be!

This panel summarizes your IXL math accomplishments for this grade. As you practice, these numbers will go up and up!

? Love your prize? Make it your profile icon! Click and drag it to the top-right of the page, then hold it over your current icon and release your mouse button.

8 Continue practicing math to win more prizes!



The screenshot shows the IXL website interface for a first-grade math challenge. The top navigation bar includes links for MATH, LANGUAGE ARTS, REPORTS, AWARDS, STATE STANDARDS, and MEMBERSHIP. The user is logged in as Laura Barker. The main content area is titled "First grade" and displays a grid of yellow squares, each containing a question mark. A callout explains that plain squares turn into question marks after enough practice to unlock more challenges. Another callout states that squares with question marks represent unlocked challenges, and hovering over them provides more information. A third callout points to a specific challenge for "Fractions", noting that the user hasn't mastered any skills in this category yet and providing a "Practice now" button. A fourth callout points to a "Practice more" button at the bottom right, explaining that it leads back to the full list of math skills. The interface also shows progress indicators, such as "You've earned 1 medal" and "You've revealed 1 prize" with a "Till your next win 1 minute" timer.

Plain squares will turn into question marks when you've practiced enough to unlock more challenges.

Squares with question marks represent challenges you have unlocked. Hold your mouse over any of these squares to learn more about the challenge.

To uncover this square
Master 4 skills in the category:
[Fractions](#)
You haven't mastered any skills in this category yet.
[Practice now >>](#)

Links in a challenge will take you directly to the category so you can pick a skill to practice.

Or, click **Practice more** to go back to the full list of math skills.

- ? Most challenges are based on practice time, number of questions attempted, and skills mastered. Try winning your next prize by practicing 5 minutes or answering 100 questions.

Keep up the great work!

The more you practice, the more prizes you'll collect—and the better you'll be at math and language arts! How many skills can YOU master?